

## Physical Properties of EnviroSheet®

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Product Designation						
Standard	Description	EN-12	EN-16	EN- 25	EN-40	EN-60
ASTM D1622	Density lb/ft <sup>3</sup>	1.0 lb/ft <sup>3</sup>	1.4 lb/ft <sup>3</sup>	1.4 lb/ft <sup>3</sup>	2.5 lb/ft <sup>3</sup>	3.5 lb/ft <sup>3</sup>
	Density Kg/m <sup>3</sup>	16.0 Kg/m <sup>3</sup>	22.0 Kg/m <sup>3</sup>	22.0 Kg/m <sup>3</sup>	40.0 Kg/m <sup>3</sup>	56.0 Kg/m <sup>3</sup>
ASTM C518	R-Value/1-inch @ 75°F	3.9	4.0	4.0	4.3	4.6
	RSI/25mm @ 24°C	0.65 (m <sup>2</sup> •°K/W)	0.70 (m <sup>2</sup> •°K/W)	0.70 (m <sup>2</sup> •°K/W)	0.76 (m <sup>2</sup> •°K/W)	0.81 (m <sup>2</sup> •°K/W)
ASTM STP1320	R-Value/1-inch @ 0°F	4.6	4.8	4.8	5.0	5.1
	RSI/25mm @ -18°C	0.81 (m <sup>2</sup> •°K/W)	0.84 (m <sup>2</sup> •°K/W)	0.84 (m <sup>2</sup> •°K/W)	0.88 (m <sup>2</sup> •°K/W)	0.89 (m <sup>2</sup> •°K/W)
ASTM D1621	Compressive strength at 10% strain	12.5 psi (86.0 kPa)	22.4 psi (154.6 kPa)	22.4 psi (154.6 kPa)	40.0 psi (276 kPa)	60.0 psi (414 kPa)
ASTM C203	Flexural strength	27.8 psi (192.0 kPa)	45.0 psi (310.0 kPa)	45.0 psi (310.0 kPa)	63.2 psi (436.0 kPa)	75.0 psi (517.0 kPa)
ASTM D2842	Water absorption (% by volume)	3.8%	1.87%	1.87%	1.57%	1.50%
ASTM E96	Water vapor permeance	282.0 ng/Pa.s.m <sup>2</sup> (4.95 perm)	187.23 ng/Pa.s.m <sup>2</sup> (3.29 perm)	187.23 ng/Pa.s.m <sup>2</sup> (3.29 perm)	104.29 ng/Pa.s.m <sup>2</sup> (1.83 perm)	104.29 ng/Pa.s.m <sup>2</sup> (1.83 perm)
ASTM D2126	Dimensional Stability Linear change	-1.5%	-1.5%	-1.5%	-1.3%	-1.3%
ASTM D2863	Limiting Oxygen Index	>24%	>24%	>24%	>24%	>24%